

Attachment K

Mitigation Plan—Attachment K

History and Project Description

Duke Energy Florida (DEF) filed its site certification application for the proposed construction and operation of new electrical generating facilities and associated facilities in Citrus County, Florida, on August 1, 2014. The electrical generating facilities will be located on an approximately 400-acre Site adjacent to the eastern boundary of DEF's existing Crystal River Energy Complex. The Project includes two natural gas-fired combined cycle units and several on- and off-Site associated linear facilities, including 230- and 500-kilovolt (kV) electrical transmission lines and several water pipelines. The off-Site portions of these linear facilities will be located within a corridor wholly contained within DEF-owned CREC property.

This mitigation plan applies only to the Citrus Combined Cycle Project. Any future activities at CREC or on the CCC Site, outside of those certified as proposed in the CCC site certification application, will require modification of this plan. Changes or modifications to the plan will be tracked by the table in Item 2 below.

DEF shall comply with the following conditions prior to commencement of any construction activities:

1. Submittals required herein shall include the Licensee's name and Siting Certification Tracking Number PA77-09A3 and SWD tracking number, and shall be directed by e-mail to SW_ERP@dep.state.fl.us with a subject line of permitting/compliance PA No. 77-09A3/SWD tracking number, or by mail to:

Department of Environmental Protection
Southwest District
Submerged Lands and Environmental Resource Program
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

2. Wetland Impacts and Mitigation

Project Phase	Date	Siting Office #	SWD Tracking #	Wetland Impacts	Mitigation
Initial Construction	9/2015	PA77-09A3	09-270612-030	3.84 acres of permanent forested and non-forested wetland impacts 7.78 acres of permanent conversion of forested wetland to non-forested wetlands 11.02 acres of temporary impacts of non-forested wetlands	Purchase 3.388 forested credits and 0.325 herbaceous credits from the Upper Coastal Wetland Mitigation Bank or Old Florida Mitigation Bank. Prior to any construction or impacts authorized by the certification, DEF shall provide the Department with documentation that the credits have been

					deducted from the credit ledger(s) of the Upper Coastal Wetland Mitigation Bank, SWFWMD ERP No. 43031543.001 or Old Florida Mitigation Bank, SWFWMD ERP No. 4341425.001

DEF shall comply with the following prior to construction of the Citrus Combined Cycle associated linear facilities within the linear facilities corridor:

3. No later than 180 days prior to construction of associated linear facilities within the linear facilities corridor, DEF shall provide to FDEP SCO and the SWD:
 - a. Detailed construction drawings depicting the location of each typical pipeline trench cross-section, pipe elevations, and existing grade elevations; and
 - b. Detailed construction drawings depicting the location and impact footprint of any new transmission line support structures that were not provided in the site certification application or during the site certification hearing. If these drawings include fill or substantial structure impacts, DEF shall provide updated wetland impact drawing and UMAM tables and score sheets prior to beginning construction of the new transmission line support structures.

DEF shall comply with conditions 4 and 5 prior to commercial operation of the Citrus Combined Cycle Project:

4. All areas identified by the Applicant in the SCA as “temporary” wetland impact areas shall be restored to pre-construction site conditions, including contours and elevations, within 15 days of completion of construction. For trench construction in wetland areas, DEF shall segregate and return the upper 12-inches of wetland topsoil to the top of the trench during backfilling.
5. A "Time Zero" Wetland Monitoring Report shall be submitted within 45 days of completion of the re-grading activities within the temporary wetland impact areas and shall include the following:
 - a. Date the re-grading was completed;
 - b. Color photographs to provide an accurate representation of each re-graded area. The photographs shall be taken from fixed reference points and directions which are shown on a scaled plan-view.

Time Zero Wetland Monitoring Reports may be submitted separately for individual facilities or segments of linear facilities.

DEF shall comply with the following conditions post-construction:

6. Subsequent Wetland Monitoring Reports shall be submitted to the District office semiannually for the first year and annually thereafter until the success criteria outlined in Condition No. 7 are achieved. If separate Time Zero Monitoring Reports are submitted for individual facilities or segments of linear facilities, the subsequent semiannual Restoration Reports shall consolidate those facilities into one semiannual Restoration Report.

The Restoration Monitoring Reports shall include the following for each restoration area:

- a. Color photographs taken from the reference points established in the Time Zero Monitoring Report.
- b. Plant species composition with estimates of the contribution of each species to percent cover.
- c. Total contribution to percent cover by non-native wetland species and species not listed in 62-340, F.A.C.

7. The restoration of temporarily impacted areas shall be deemed successful when the following criterion has been continuously met for a period of six months, without intervention in the form of irrigation, removal of undesirable vegetation, or replanting of desirable vegetation:

- a. Native wetland species have achieved a minimum of 80% coverage.

8. DEF shall meet the restoration success criteria as defined in Condition No. 7. The responsibility to assess if the restoration areas are meeting the success criteria shall not fall solely on the Department. In the event DEF becomes aware the restoration areas are not meeting the success criteria (based on either site observations or review of monitoring reports) after two years of monitoring, DEF shall be responsible to submit an alternative restoration plan to the Department for review and approval.